

## AMENDED CLAIMS (Clean-Copy)

1. A composition comprising Pediocin A or Pediocin A analogous molecules in combination with at least one  
5 of their bacterial producer strains selected from the group consisting of:  
*Pediococcus pentosaceus* FBB61, ATCC 43200;  
*Pediococcus pentosaceus* FBB63;  
*Pediococcus pentosaceus* L7230, ATCC 43201;  
10 for use as a medicament.
2. A composition comprising at least one of the Pediocin A or Pediocin A analogous molecules bacterial producer strains as claimed in claim 1, for use as a  
15 medicament.
3. The composition according to claim 1 or 2, for use as a diet additive.
- 20 4. Use of the composition according to claim 1 or 2, for the preparation of a medicament, for enhancing the sanitary conditions of the intestine in monogastric species.
- 25 5. The use according to claim 4, for developing a better microbic intestinal balance.
6. The use according to claim 4, for reducing cresol production.
- 30 7. The use according to claim 4, for increasing polyamines production of bacterial origin into the intestinal lumen, said amines preferably being putrescine and spermidine.

8. The use according to claim 4, for increasing the epithelial surface of intestinal wall deputed to the absorbtion of nutrients.

5

9. The use according to claim 4, for increasing the length of villi in intestinal, proximal and medium jejunum.

10 10. The use according to claim 4, for increasing the thickness of brush border, constituted of microvilli at enterocytes luminal apex.

11. The use according to claim 4, for increasing the  
15 thickness of mucous tunica, both on a proximal and medium jejunum level.

12. The use according to claim 4, for incorporating  
20 said Pediocin A or Pediocin A analogous molecules as claimed in claim 1 into the mucous layer which covers the intestinal structures.

13. The use according to claim 4, for the prevention  
25 and prophylaxis of the intestinal pathologies by clostridia.

14. The use according to claim 13, for the  
prevention and prophylaxis of *Clostridium perfringens*  
infections.

30

15. The use according to anyone of claims 4 to 14, wherein said monogastric species are included among: human being, swines, rabbits, horses, poultry also wild, sheep, goats, felids, canids, ungulates, and non

functional ruminants.